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(54) Title: AVIONIC SYSTEM AND GROUND STATION FOR AIRCRAFT OUT OF ROUTE MANAGEMENT AND ALARM COMMUNICATIONS

(57) Abstract: An avionic system and ground station for aircraft out of route management and alarm communications composed of an avionic device, which is fitted onboard the aircraft, with a memory unit for storing the flight paths data, runways, orography, and obstacles; processors to compute the stored or received data, available from sensors monitoring the onboard situation. Processors will compute commands to be sent to the aircraft's autopilot to temporarily take over the aircraft control and return it to pre-set flight levels or spatial positions; communication devices suitable for-transmitting the real time onboard situation to ground control stations when potentially dangerous events occur.